BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

ame of the work: **Estimate for Construction of Culverts at Ramachandrapura, oddabommasandra, Chamundeshwari Layout and Nanjappa Layout in Ward No. 10 Doddabommasandra), Vidyaranyapura Sub Division.**

							Estimate Cost:		1000000.00
	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.3/ PWD SR 2014-15**	Cum							
	Culvert		11	5.70	1.80	1.20	135.43		
							135.43	264.60	**35835.00**
	Basic Rate	245.00							
	Area Weightage @8%	19.60							
	Total	**264.60**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	Bottom Concrete		11	5.70	1.80	0.15	16.93		
							16.93	4847.04	**82056.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
3	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.12 / PWD SR 2014-15**	Cum							
			11x2	5.70	0.60	0.90	67.72		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
						67.72	4773.60	**323249.00**
Basic Rate	4420.00							
Area Weightage @ 8%	353.60							
Total	**4773.60**							
KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.4 / PWD SR 2014-15**	Sqm							
		11x2	5.70		0.90	112.86		
						112.86	92.88	**10482.00**
Basic Rate	86.00							
Area Weightage @ 8%	6.88							
Total	**92.88**							
KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2014-15**	Cum							
Pointing		11	5.70	1.80	0.10	11.29		
Ramp		11x2	5.70	1.00	0.15	18.81		
						30.10	5327.64	**160341.00**
Basic Rate	4933.00							
Area Weightage @ 8%	394.64							
Total	**5327.64**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M[illegible] with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
			11	5.70	1.80	0.23	25.96		
							25.96	6065.28	**157441.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
	KSRB 4.9.1: **Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	For Roof, Columns @ 90 Kg / Cum		0.90	25.96			**23.36**	7975.80	**186331.00**
	Basic Rate	7385.00							
	Area Weightage @ 8%	590.80							
	Total	**7975.80**							
	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
			11	5.70	0.60		37.62		
			11x2	5.70		0.23	28.84		
			11x2	1.80		0.23	9.11		
							75.57	292.68	**22118.00**

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1				**135.43**	73.57	**9964.00**
	Average weight of earth 1.28 tonne / kg for 2.00X1.28X2.00 = 5.12	5.12							
	PWD SR 2014-15 (P.130 / I.17.1) For loading and unloading	63.00							
		68.12	10.00 Lakh						
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
	Ten Lakhs only 65/14-15.								
0	Sub Total								**987817.00**
1	Third Party Inspection Charges @ 1%	65/14-15. 29-10-14							**9878.00**
2	Miscellaneous and other Charges	L/S							**2305.00**
	AS/EE/65/14-15 29-10-14								
								Total	**1000000.00**

(Rs. Ten Lakhs Only)

ERTIFICATE:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2014-15.
3. This work included under 2014-15 POW Grant.
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

10.00 Lakh
Ten Lakh only
P-1771

162 29-10-14

TS/EE/162/14-15 29-10-14